

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 07/01/2008

Contract ID 071221-502

Job No. J5P0590/J5P0591

County Camden

Route 5

Original Bid Cost \$9,206,186.96

Contractor APAC-Missouri, Inc

By JASON BACKUES

Designed By MODOT

Phone (573) 449-0886

VECP 08-62

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

We would like to propose using PG64-22 AC in lieu of PG70-22 in all superpave mixes. This would provide a large savings to this job. PG64-22 is designed in the superpave mixes on Route 54 on J5P0591. Attached is a spreadsheet detailing the cost savings.

2. Estimate of reduction in construction costs.

\$178,795.62

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

07/02/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

07/20/2008

(date)

Contractor can obtain purchase orders and receive correct A.C. for use.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

Please see attached detail spreadsheet.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: APPROVAL SHOULD BE BASED ON PAVEMENT TEAM RECOMMENDATION. V.E. FAXED TO DALE WILLIAMS 7/9/08.

Michael K. O'Malley

Submitted By Resident Engineer

7/9/08

Date

Comments: Base upon consultation with central office C&M, the PG binder designed in the plans for the Superpave mixes was based on ADT and loading conditions for Rte 5. Using a lower grade as proposed could result in rutting, fatigue, and pre-mature failure of the mixes.

☐ Approval
Recommended

☒ Rejection
Recommended

Roger Schwartz

District Engineer

7/11/2008

Date

Comments: See above comments.

☐ Approval

☒ Rejection

PEM for

Dave Ahlers

State Operations Engineer

7/15/08

Date

Distribution:

Resident Engineer, District Operations Engineer, State Operations Engineer

*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

V.E. Proposal #1

(Cost Savings by using PG64-22 AC instead of PG70-22 AC)

Savings due to new proposal

Job No.	Item Description	Asphalt Tons	A.C.%	Tons of A.C.	Savings by using PG64-22	Total Savings
J5P0590	8" Pavement SP125C	8512.3	4.5%	383.05	\$80.00	\$30,644.28
(North Job)	8" Pavement SP250C	14592.5	3.4%	496.15	\$80.00	\$39,691.60
	7.5" Pavement SP125C	857.2	4.5%	38.57	\$80.00	\$3,085.92
	7.5" Pavement SP190C	979.7	5.2%	50.94	\$80.00	\$4,075.55
						\$0.00
J5P0591	8" Pavement SP125C	10185.6	4.5%	458.35	\$80.00	\$36,668.16
(South Job)	8" Pavement SP250C	17461.0	3.4%	593.67	\$80.00	\$47,493.92
	7.5" Pavement SP125C	2051.2	4.5%	92.30	\$80.00	\$7,384.32
	7.5" Pavement SP190C	2344.2	5.2%	121.90	\$80.00	\$9,751.87
Total=						\$178,795.62

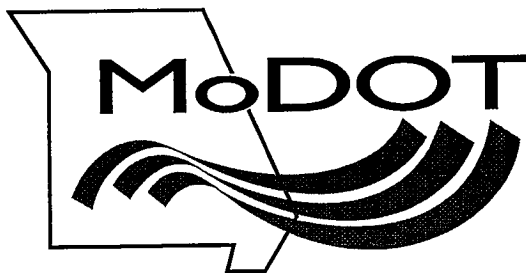
Total=						\$0.00

Net Savings for new Proposal

Savings due to new proposal: \$178,795.62

Total Value Engineering Savings for the Contractor(50%): \$89,397.81

Total Value Engineering Savings for MoDOT(50%): \$89,397.81



FAX

CAMDENTON PROJECT OFFICE
93 Morgan St.
Camdenton, MO 65020

PHONE: (573-346-3053
FAX: (573) 346-4960

DATE: 7/9/08

TO: DALE WILLIAMS

FROM: MIKE O'MALLEY

FAX: 526-4354

PAGES: 4

RE: V.E. FOR JSPO590/591, RTE. 5, CAMDEN CO.

Message or Comments:

DALE,

PLEASE HAVE PAVEMENT TEAM REVIEW THIS
V.E. PROPOSAL.
LET ME KNOW RECOMMENDATION

THANKS,

Mike O'

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Proposed to substitute PG 64-22 for PG 70-22 in all Superpave mixes.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

All